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Docket No. 3620-4010

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Kenji HIRANO, et al.

Group Art Unit: 2624

Serial No.: 09/622,424

Examiner: Wenpeng Chen

Filed: June 27, 2001

For: IMAGE DATA PROCESSOR AND PROCESSING METHOD

SUBMISSION OF DRAWINGS

RECEIVED

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Technology Center 2600

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In response to the Examiner's requirement in the January 16, 2004 Office Action, Applicant submits herewith corrected Figures 18-28, eleven (11) sheets of formal drawings for the above designated application. No new matter has been entered into the case.

Applicant believes that no fee is due with the submission of the attached formal drawings. However, in the event that a fee is found to be due, the Commissioner is authorized to charge such fee(s) to Deposit Account No. 13-4503, Order No. 3620-4010.

Respectfully submitted,
MORGAN & FINNEGAN, L.L.P.

Dated: 5/17/04

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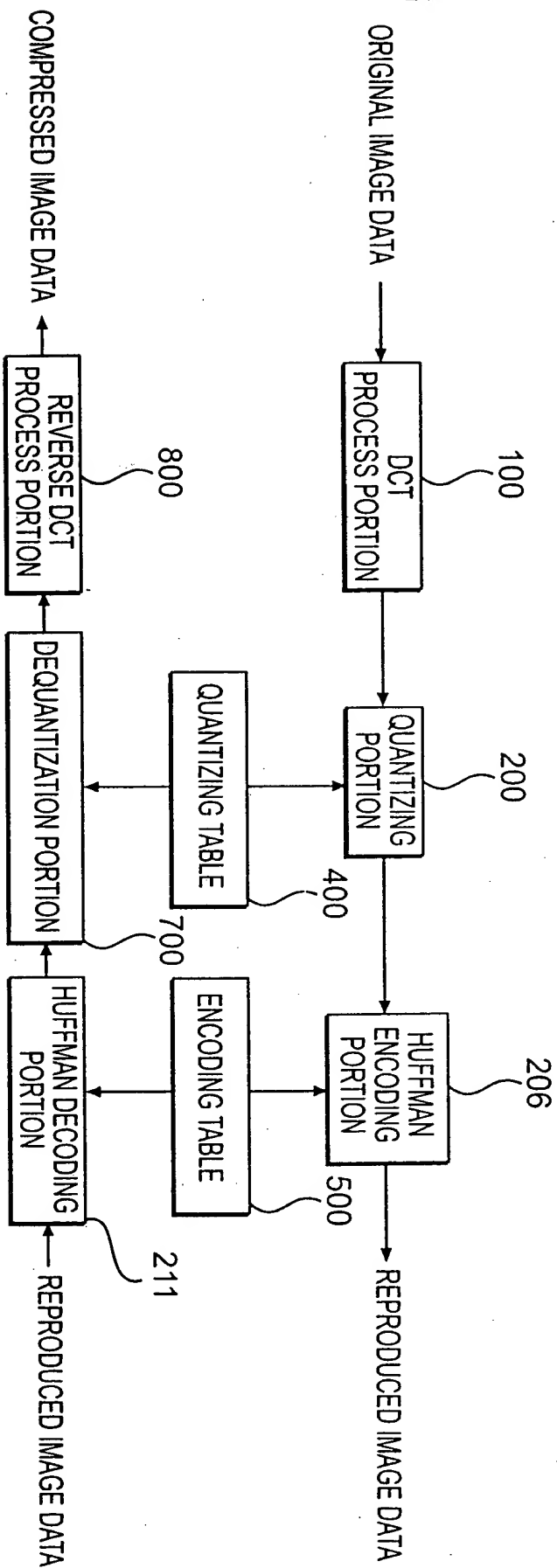


FIG. 18
(PRIOR ART)



FORMATION OF BLOCKS OF IMAGE DATA

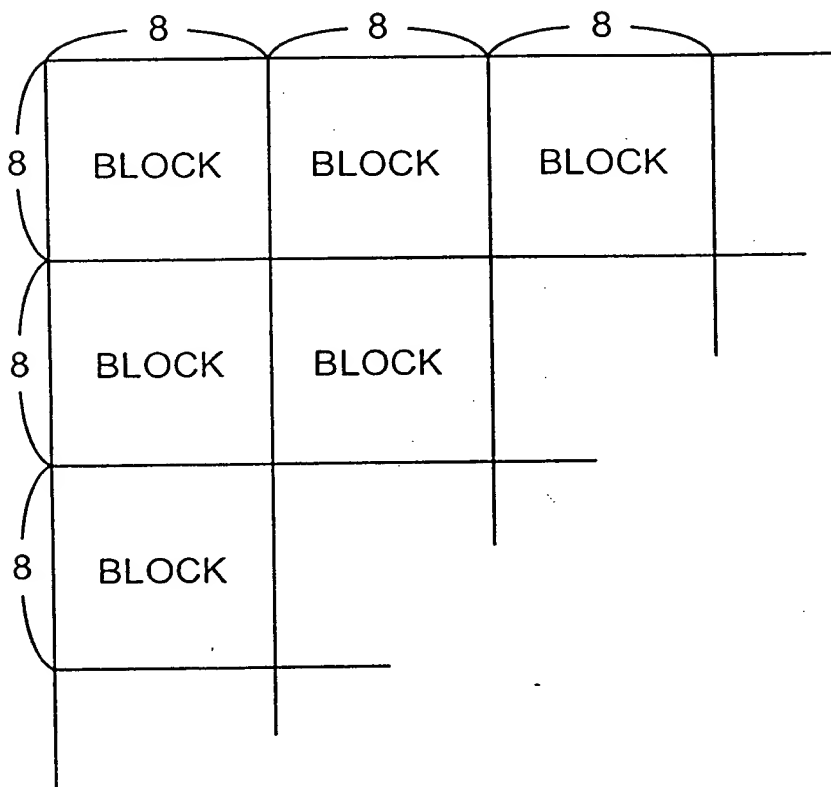


FIG. 19
(PRIOR ART)

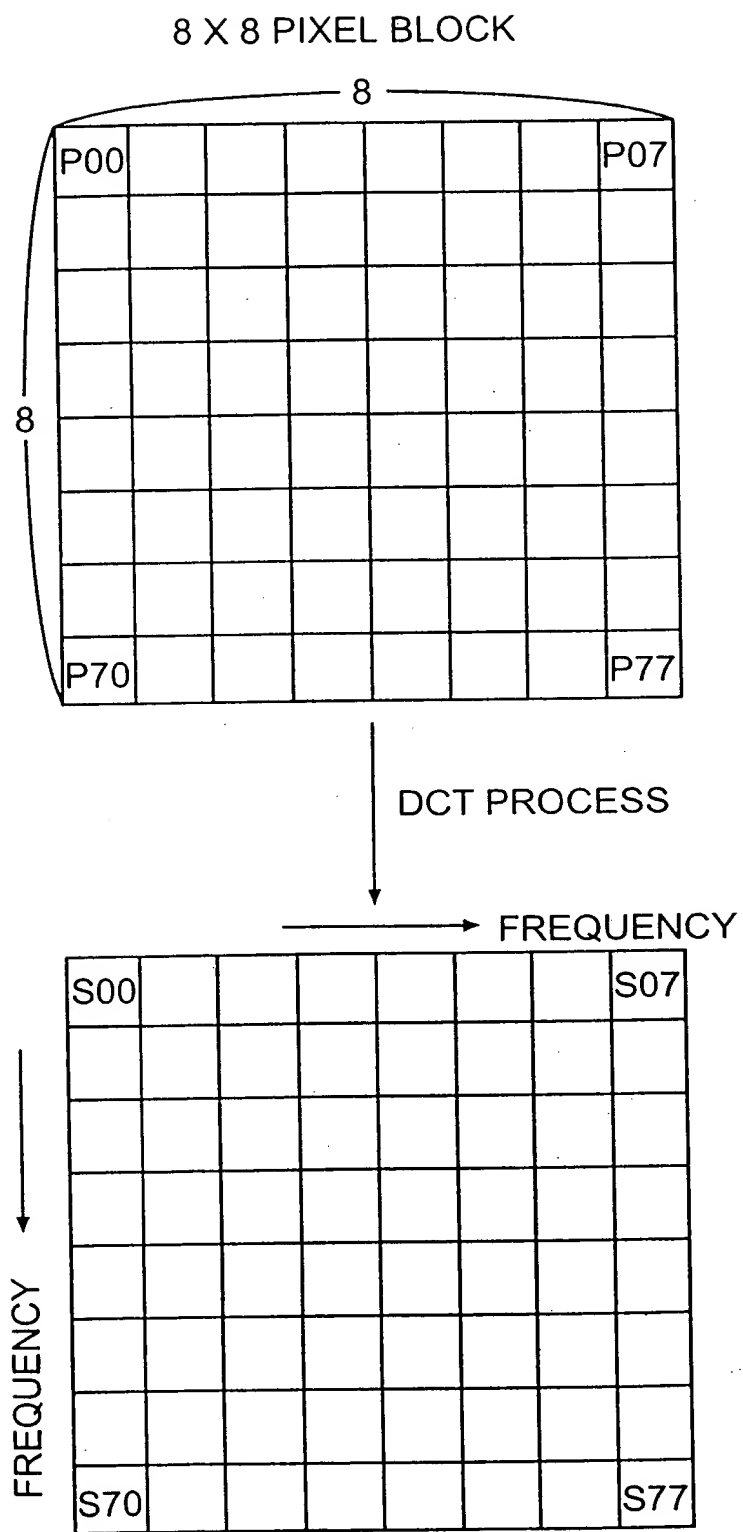


FIG. 20 (PRIOR ART)

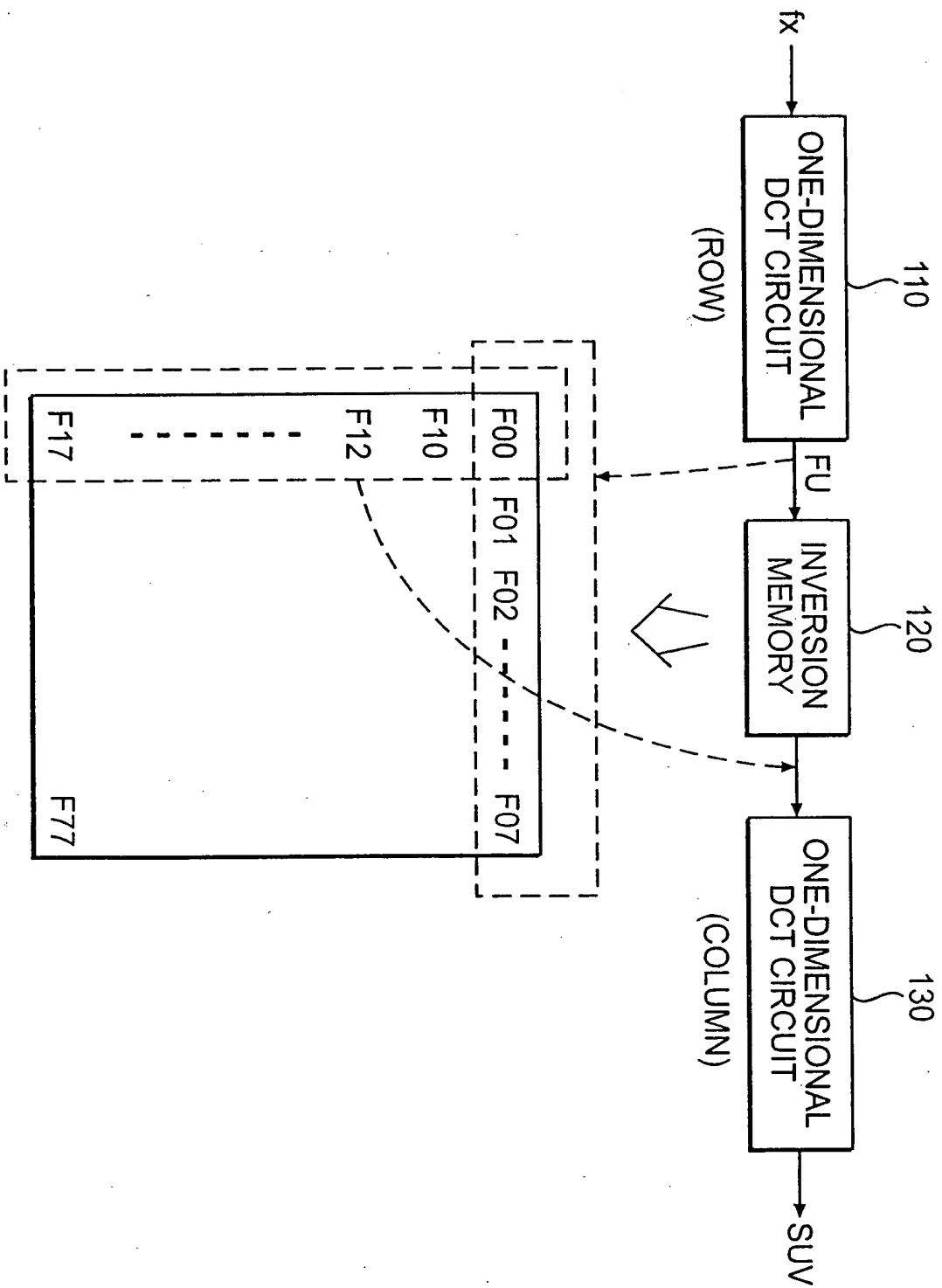
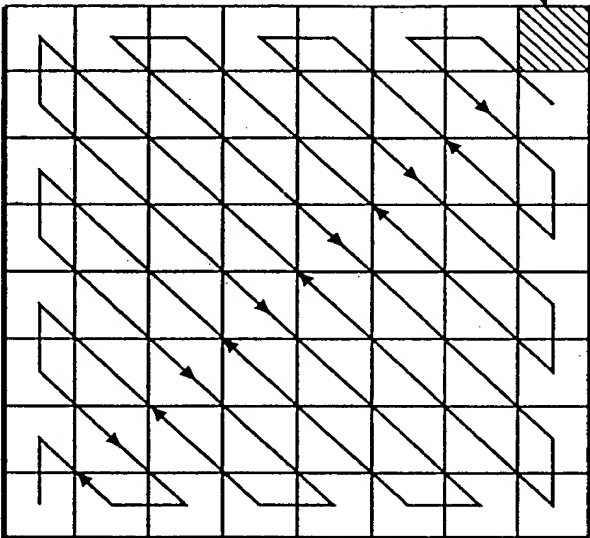


FIG. 21 (PRIOR ART)

FIG. 22
(PRIOR ART)

DC COEFFICIENT



ZIGZAG SCAN

FIG. 23
(PRIOR ART)

TM

0	1	2	3	4	5	6	7
8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55
56	57	58	59	60	61	62	63

RASTER SCAN (DIRECTION OF ROWS)

FIG. 24(a) (PRIOR ART)

TM

0	1	2	3	4	5	6	7
8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55
56	57	58	59	60	61	62	63

RASTER SCAN (DIRECTION OF COLUMNS)

**FIG. 24(b)
(PRIOR ART)**

BM

0	1	2	3	4	5	6	7
8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55
56	57	58	59	60	61	62	63

RASTER SCAN (DIRECTION OF ROWS)

FIG. 25(a) (PRIOR ART)

BM

0	1	2	3	4	5	6	7
8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55
56	57	58	59	60	61	62	63

ZIGZAG SCAN (DIRECTION OF COLUMNS)

FIG. 25(b)
(PRIOR ART)

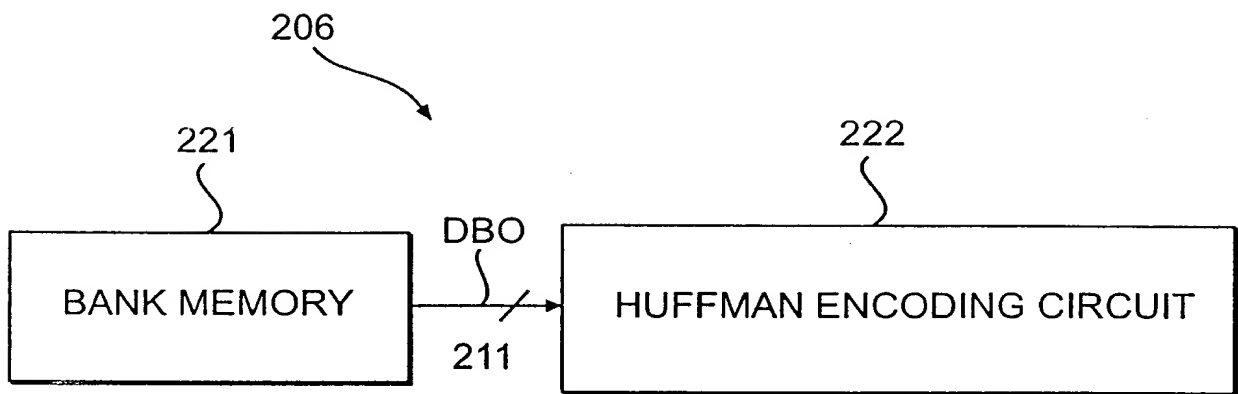


FIG. 26
(PRIOR ART)

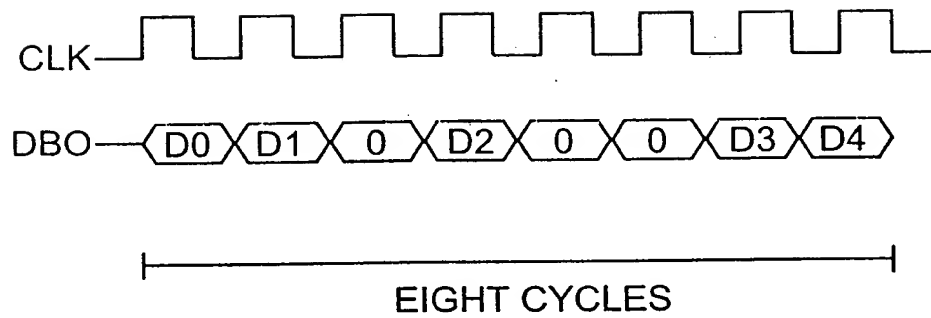


FIG. 27
(PRIOR ART)

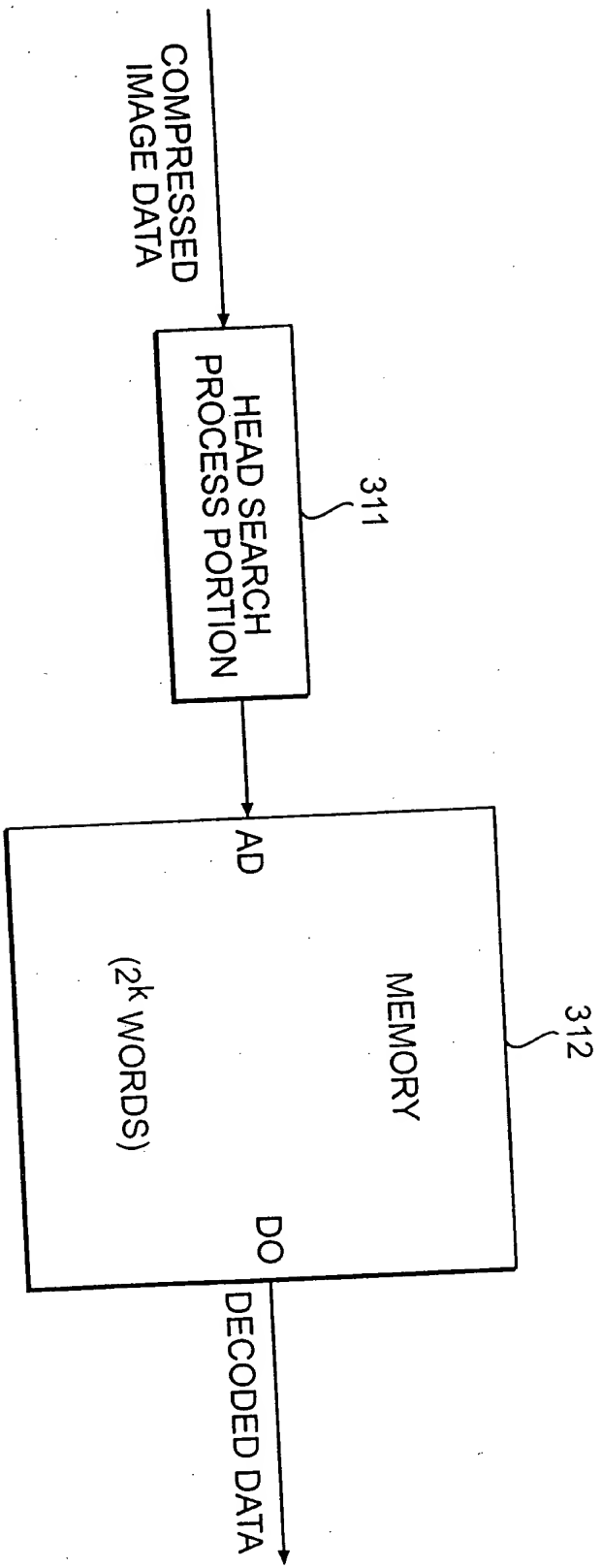


FIG. 28 (PRIOR ART)